

Sustainable Fort Bragg 101:
Where the Soldier Fits In

Fort Bragg



Home of the Airborne & Special Operations

Sustainability is...

Solving tomorrow's problems today!!!



The Right Way...The Green Way...All the Way!

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Sustainable Fort Bragg

What is sustainability?

Sustainability is a *philosophy* and *approach* for meeting the needs of the present community without compromising the ability of future generations to meet their own needs.

What is sustainability to the military?

A pro-active approach to ensure the long-term viability and integrity of the mission by minimizing resource needs, reducing environmental impacts, and managing resources while providing realistic training environments.

What is Sustainability to Fort Bragg?

Provide the people, infrastructure, and services to train, sustain, mobilize, and rapidly deploy America's forces while enhancing the environment, security, and well-being of the greater Fort Bragg community *for the soldier of today and of future generations.*



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How **NOT** being sustainable affects you

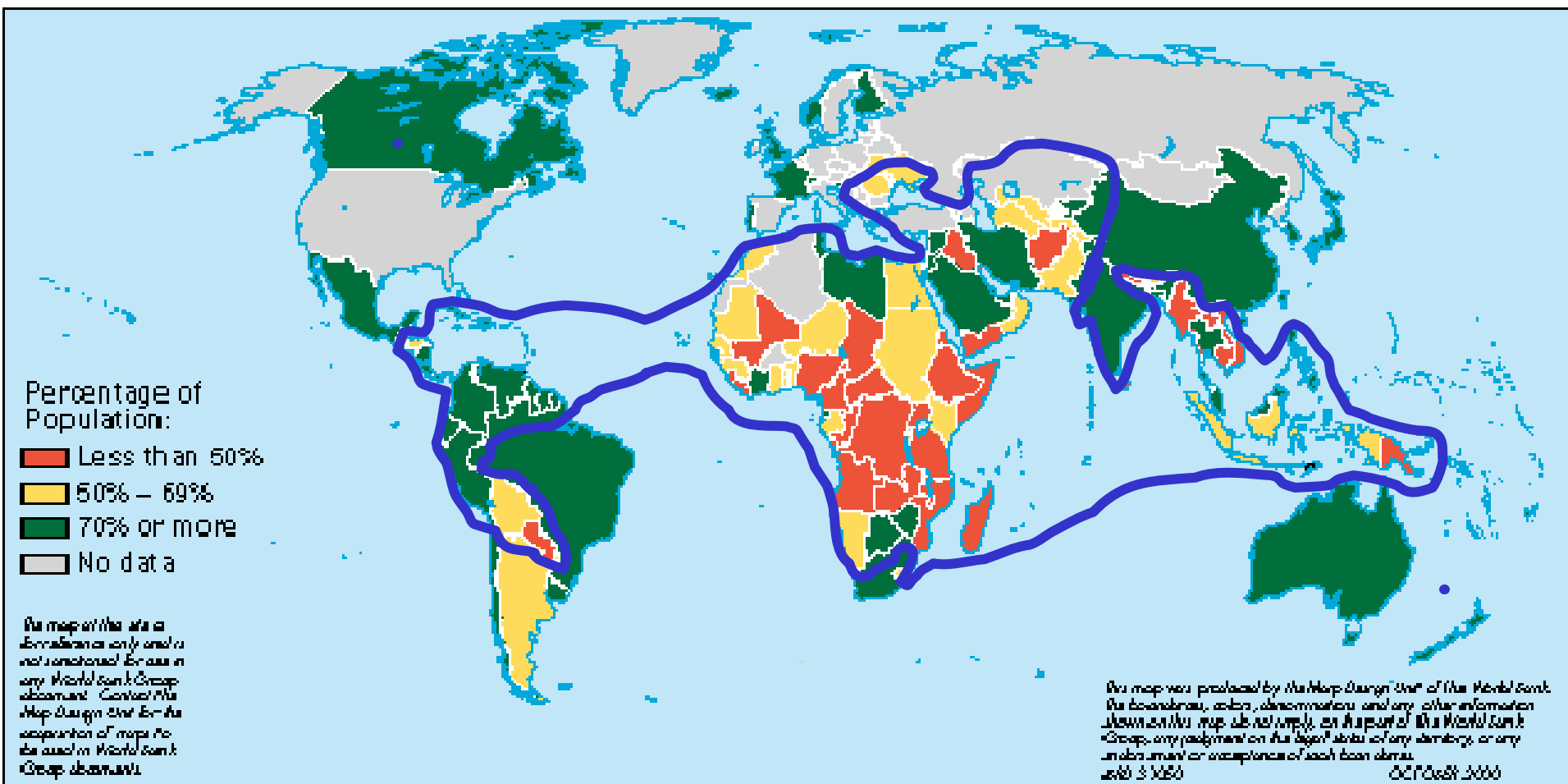
- ❖ **Increasing deployments *and job security***
- ❖ Higher OPEMPO
- ❖ Higher costs
- ❖ Fewer resources
- ❖ Increased training restrictions
- ❖ Loss of “room to maneuver”
- ❖ Water restrictions



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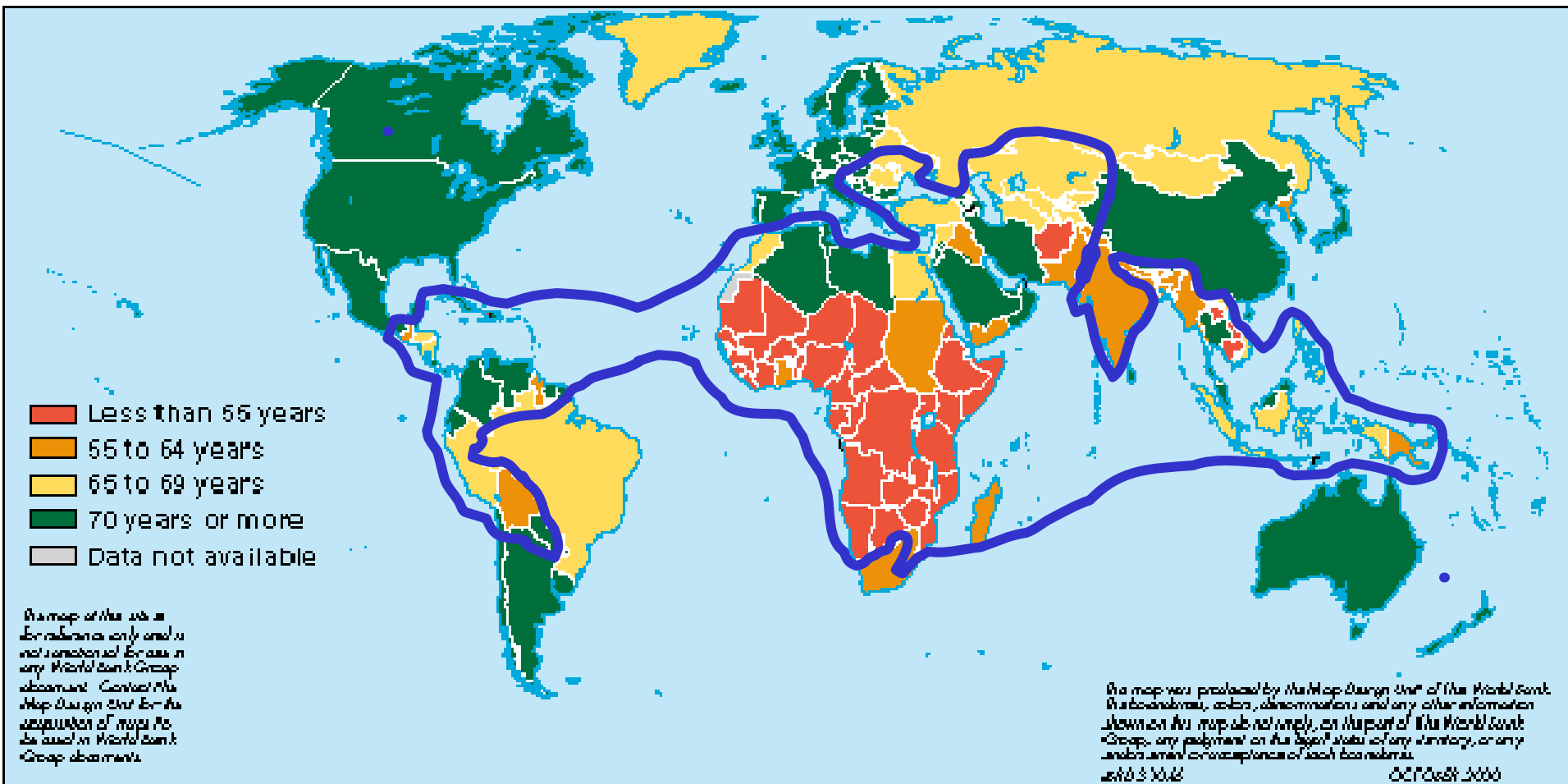
Access to Safe Water, 1990-96



Maps from Development Education Program, the World Bank Group, UNESCO
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 Blue hatched line added by B. Hull

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Life Expectancy at Birth

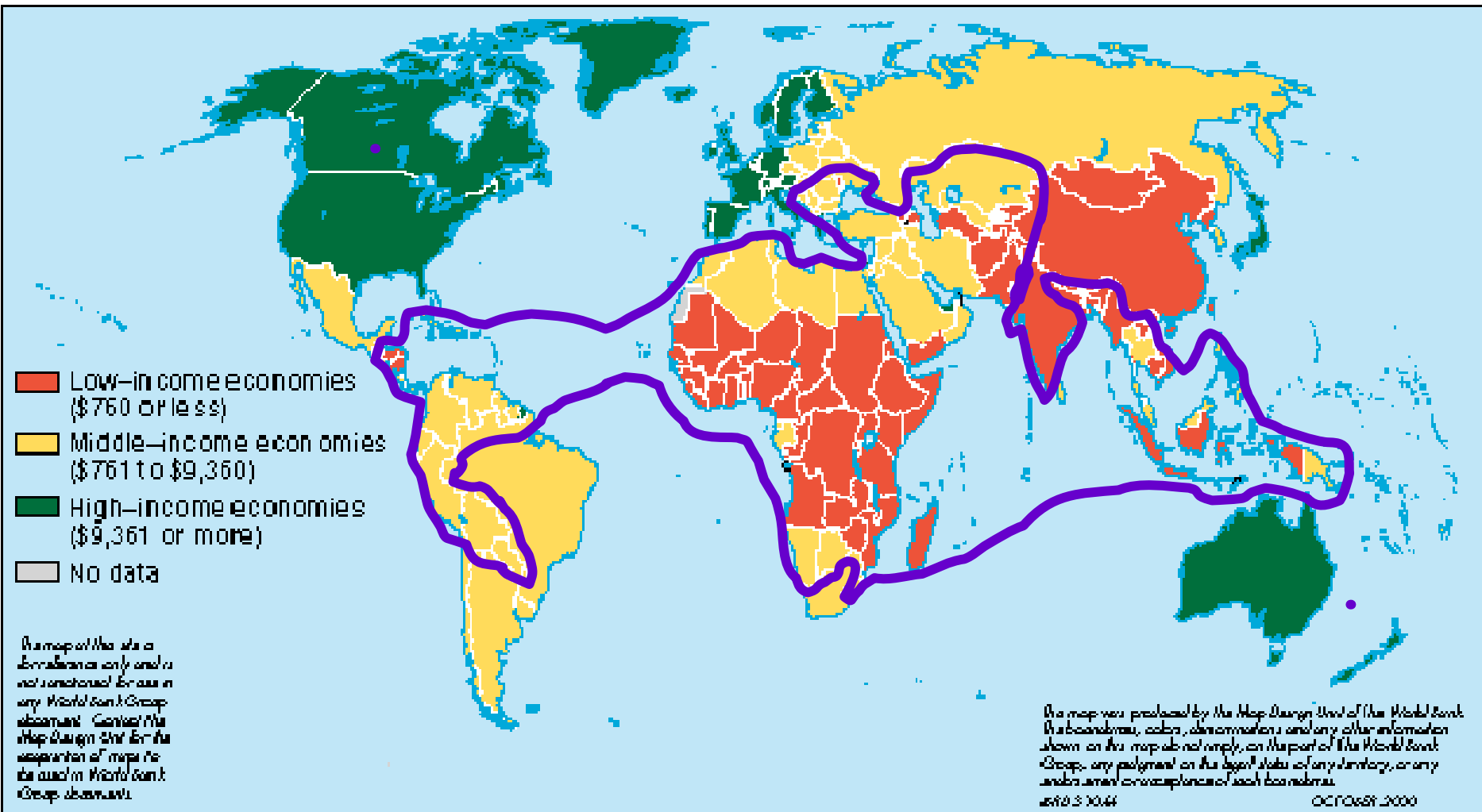


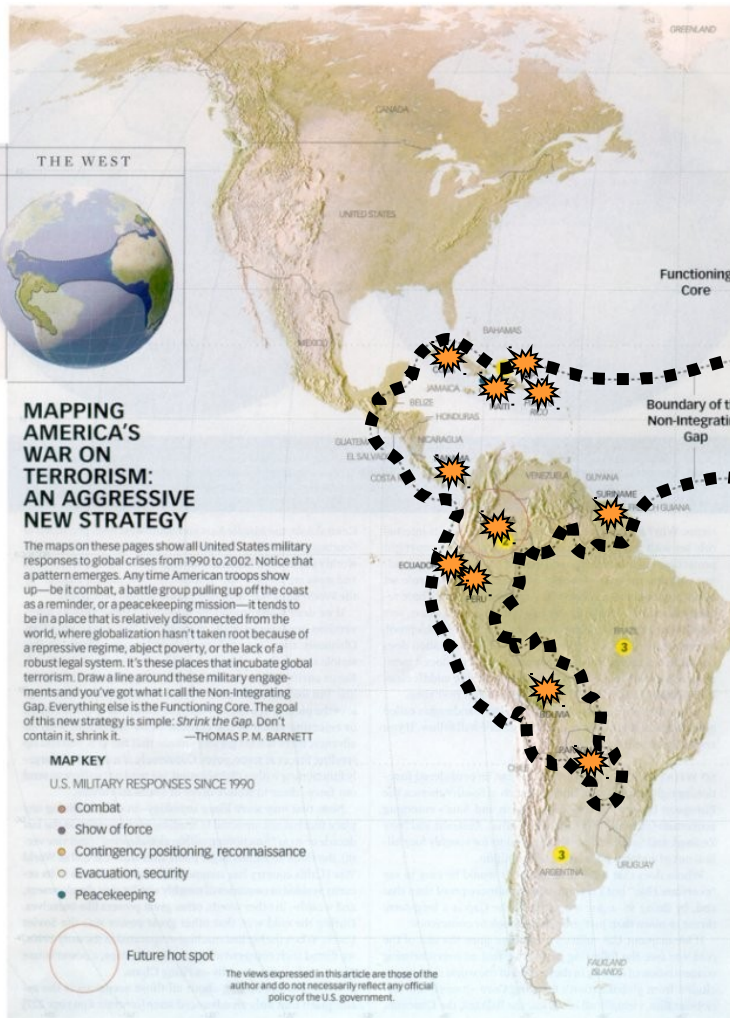
Maps from Development Education Program, the World Bank Group, UNESCO
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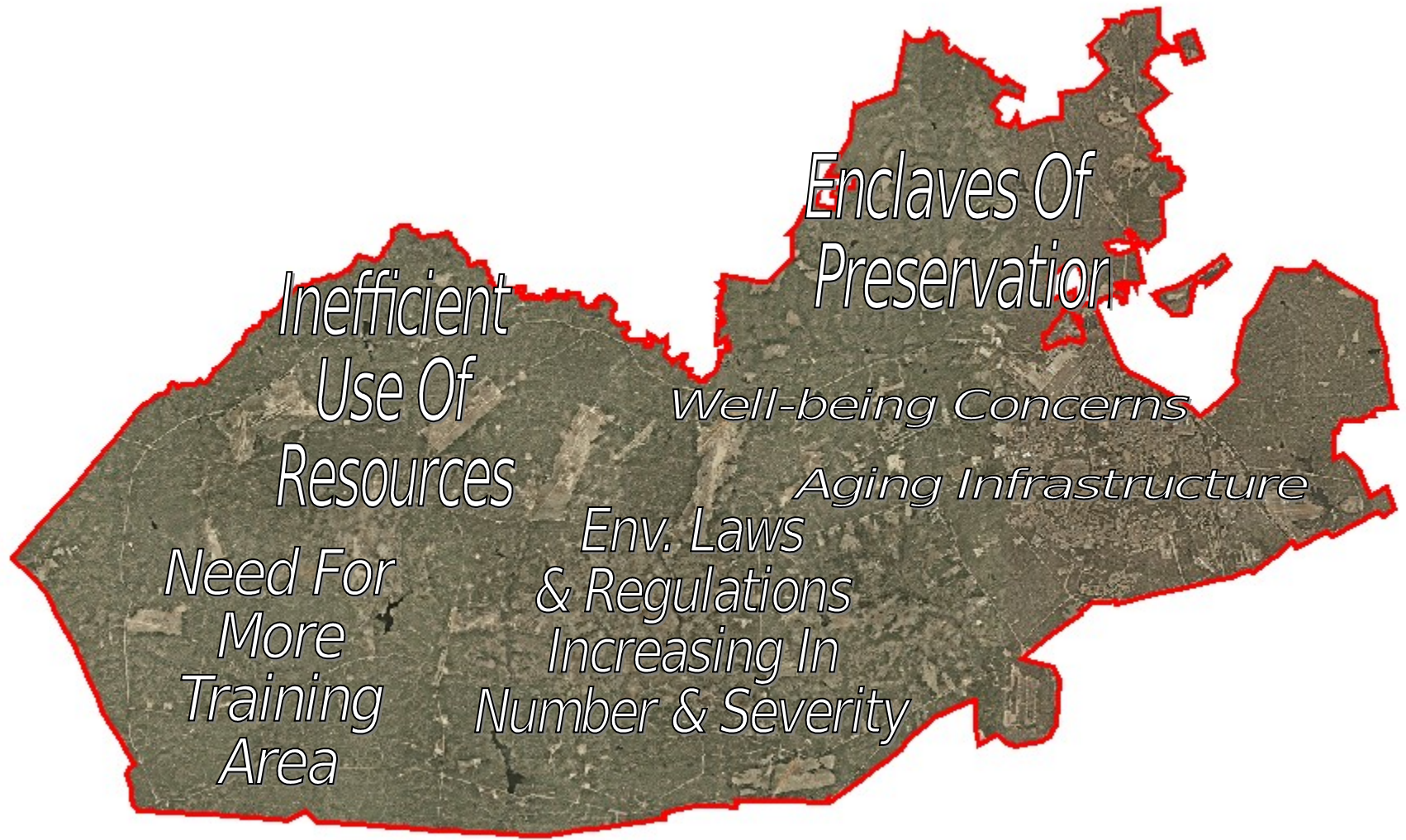
Average Gross National Product





Esquire, March 2003, **THE PENTAGON'S NEW MAP: IT EXPLAINS WHY WE'RE GOING TO WAR, AND WHY WE'LL KEEP GOING TO WAR.** BY THOMAS P.M. BARNETT, U.S. NAVAL WAR COLLEGE

[Maps by William McNulty, Black and Orange details added by D. Hull]



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Water

- ❖ **Baseline Year 2000 - 290 million gallons;**
- ❖ **Current Year 2005 - 175 million gallons**
- ❖ **Post BRAC - 210 million**
- ❖ **Tied to:**
 - ◆ Energy consumption
 - ◆ Readiness
 - ◆ Budget (\$1- \$1.5 million annually)
 - ◆ Training area
 - ◆ Construction
 - ◆ Community



Air

- ❖ **Baseline Year 2000 - 225 tons of air pollutants;**
- ❖ **Current year 2004 - 285;**
- ❖ **Estimated Post BRAC 2011 - 342(?)**
- ❖ **Tied to:**
 - ◆ Training
 - ◆ Health
 - ◆ Gas Prices (3-4 cents per gallon increase)
 - ◆ Facilities upgrade/ replacement
 - ◆ Transportation
 - ◆ Community



Waste

- ❖ **Baseline Year 2000 - 218,000 tons of waste;**
- ❖ **Current Year 2005 - 500,000 Tons of waste;**
- ❖ **Estimated Post BRAC Year 2011 - 515,000 Tons of waste;**
- ❖ **Tied to:**
 - ◆ Training areas
 - ◆ Budget (\$3 million annually)



Energy

- ❖ **Base line Year 2000 - \$23 million for electricity**
- ❖ **Current Year 2005 - \$40 million**
- ❖ **Post BRAC 2011 - Estimated \$51 million**
- ❖ **Tied to:**
 - ◆ Budget
 - ◆ Facilities upgrade

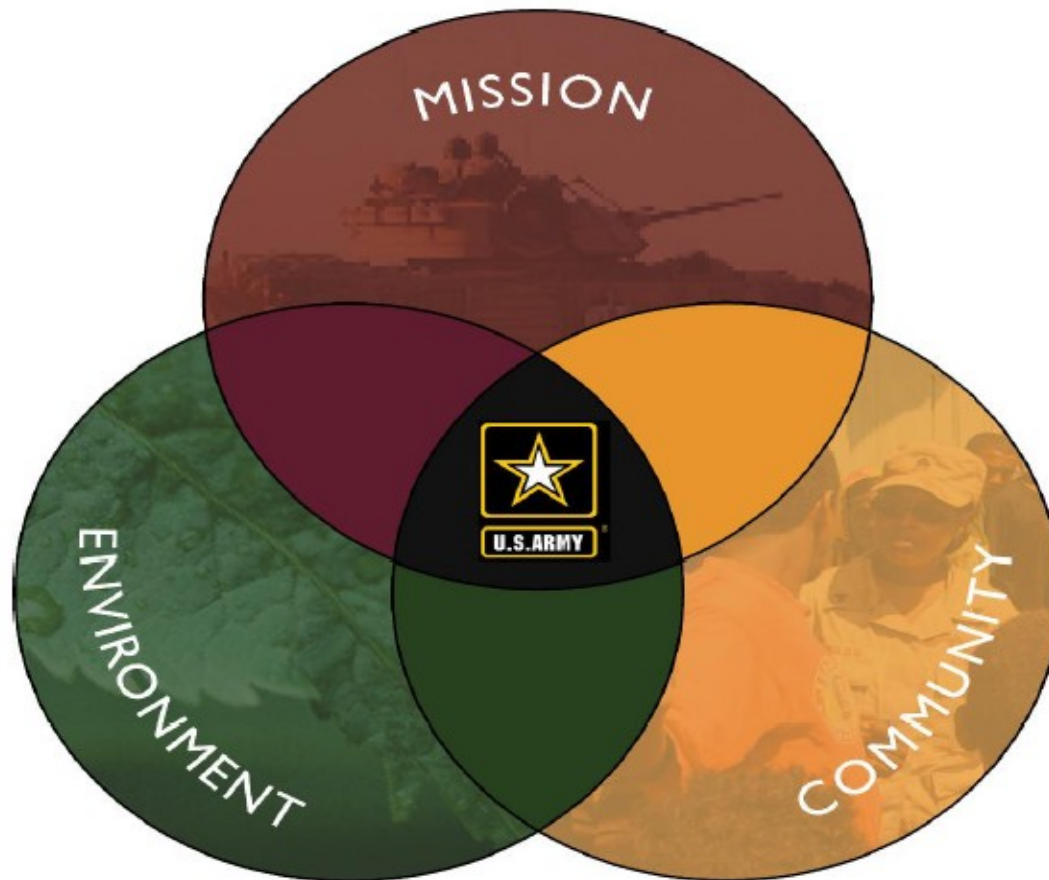


Training Lands

- ❖ **100,000+ Acre training Area Shortfall**
- ❖ **1.4 k housing area in NTA**
- ❖ **7 usable years remaining for the 40 acre landfill**
- ❖ **Encroachment**



Sustainability is about balance...
today and tomorrow



The Right Way.

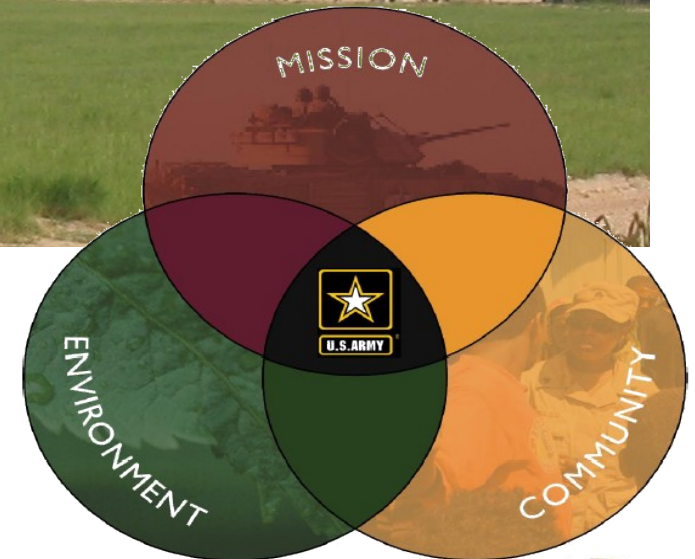
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SFB Philosophy

- ❖ **We intend solve these problems by integrating the solutions into the day to day routines of all those who live, work and play on Fort Bragg.**
- ❖ **We establish policies and procedures that are often transparent to the resident and worker. (Housing recycling) (Green buildings)**



Freedom City A Sustainability Success Story

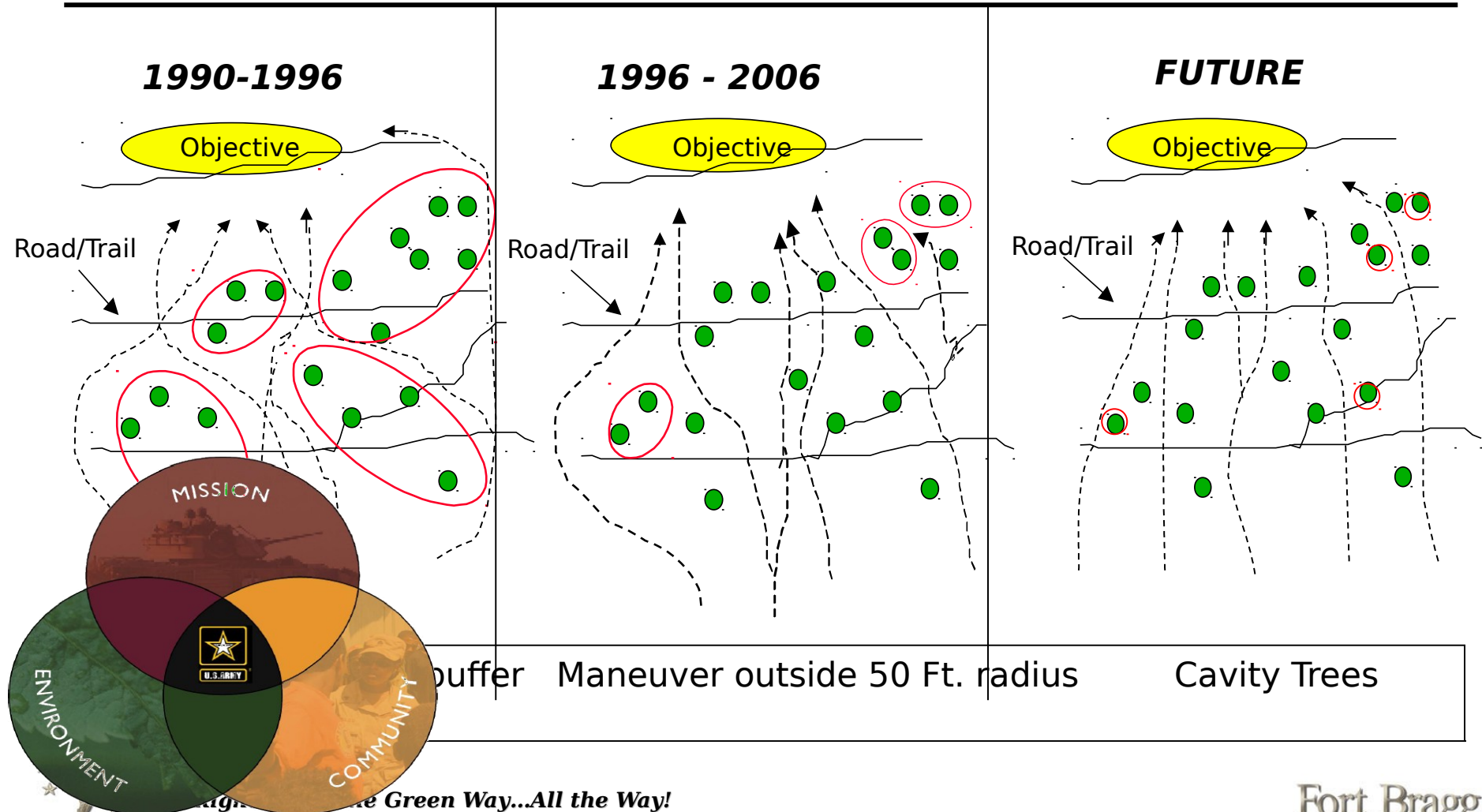


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FORT BRAGG TRAINING RESTRICTIONS DUE TO RCW

Training Restrictions Reduced on 82,000 Acres

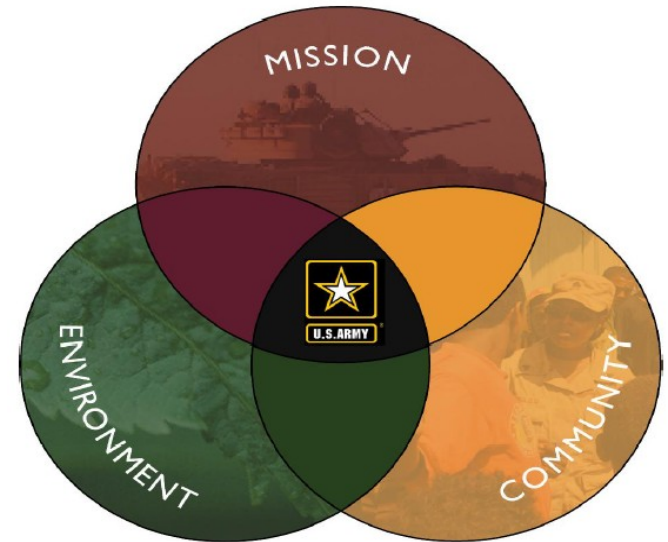


...the Green Way...All the Way!

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Alternative Fuels

- ❖ **E85 - 15% gasoline, 85% Alcohol**
- ❖ **Made from plant fiber**
- ❖ **Higher octane than unleaded regular**
- ❖ **Minimal infrastructure requirement**
- ❖ **Comparable gas mileage to unleaded regular**
- ❖ **Significantly less air pollutants**
- ❖ **All Bragg GSA vehicles will be FFV**



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What can you do about it?

- ❖ **Recognize that Sustainable Fort Bragg supports YOU! Help us help you.**
- ❖ **Act on opportunities to do better.**
- ❖ **Act responsible and promote that action in your unit.**
- ❖ **Promote the Fort Bragg Environmental Policy.**
- ❖ **Do the right thing!!!**



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The “Conservations”

- ❖ **Energy (to include transportation energy)**
- ❖ **Water**
- ❖ **Land**
- ❖ **Materials**



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Using the “Power of One”

- ❖ Turning out one 60 watt bulb for 8 hours each day will save you about:
 - ◆ **3 cents a week**
 - ◆ **12 cents a month**
 - ◆ **\$1.50 a year**
- ❖ If the day time population (100,000) of Fort Bragg turns out one bulb (60 watt) each day we would save about:
 - ◆ **\$3360 per day**
 - ◆ **\$100,800 a month**
 - ◆ **\$1,226,400 year**

□ Easy
Money!!!!



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Behavior's We Can Change

- ❖ **Sustainable Landscaping**
 - ◆ Reduces gasoline consumption
 - ◆ Reduces air emissions
 - ◆ Saves time
- ❖ **Encourage ride-sharing and carpooling**
 - ◆ Reduces air emissions
 - ◆ Reduces fuel consumption
 - ◆ Reduces maintenance costs
- ❖ **Reuse and Recycle**
 - ◆ Saves dollars
 - ◆ Saves landfill space and training lands
- ❖ **Buy “Green” products**
 - ◆ Recyclable, saves land fill space



So what?????

- ❖ **The one thing you did, when multiplied by the every soldier on post who did the same thing- one time - equals 50,000 incidents**
 - ◆ One light left on...
 - ◆ One gallon of spilled fuel...
 - ◆ One aluminum can thrown away...
 - ◆ Unnecessary trip in a vehicle....



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Help me, help you!



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27

SMS Policy

Sustainable Fort Bragg.....securing the legacy of Fort Bragg for soldiers, families, and the community through the **Sustainability Management System**.

The Right Way...

Obey environmental laws

The Green Way...

Practice pollution prevention

All The Way...

Keep improving

Visit the Sustainable Fort Bragg website at www.us.army.mil/sustainability

Direct questions to Kristina Wilson, Sustainability Planner at 432-8482 or wilsonk@us.army.mil



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Summary

Sustainable Fort Bragg isn't about today's soldier...



....it's about tomorrow's soldier.



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